FIG. 1

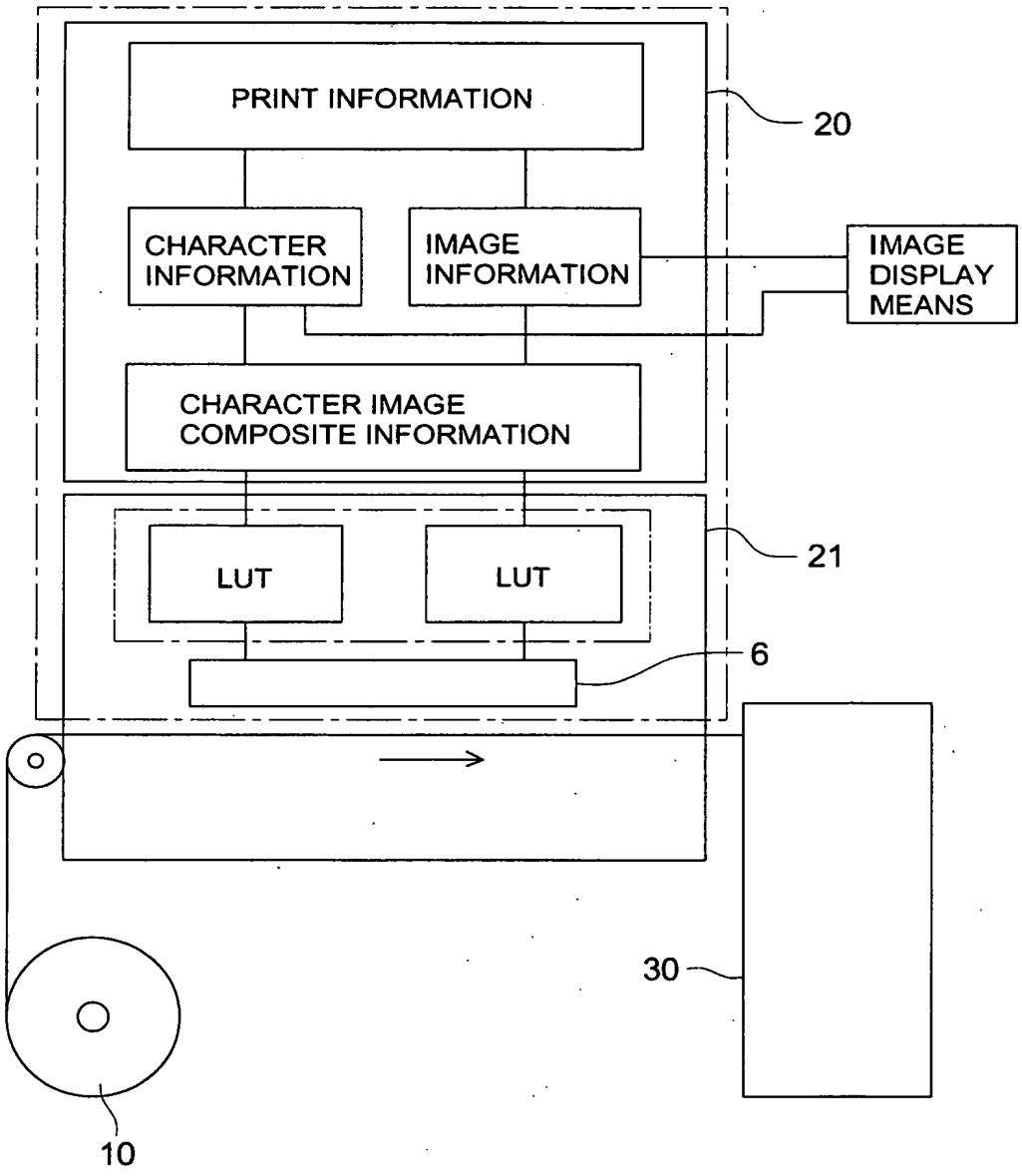
PRINT INFORMATION
20
CHARACTER INFORMATION
IMAGE INFORMATION
IMAGE DISPLAY MEANS
CHARACTER IMAGE COMPOSITE INFORMATION
21
LUT
LUT
6
30
10

FIG. 2

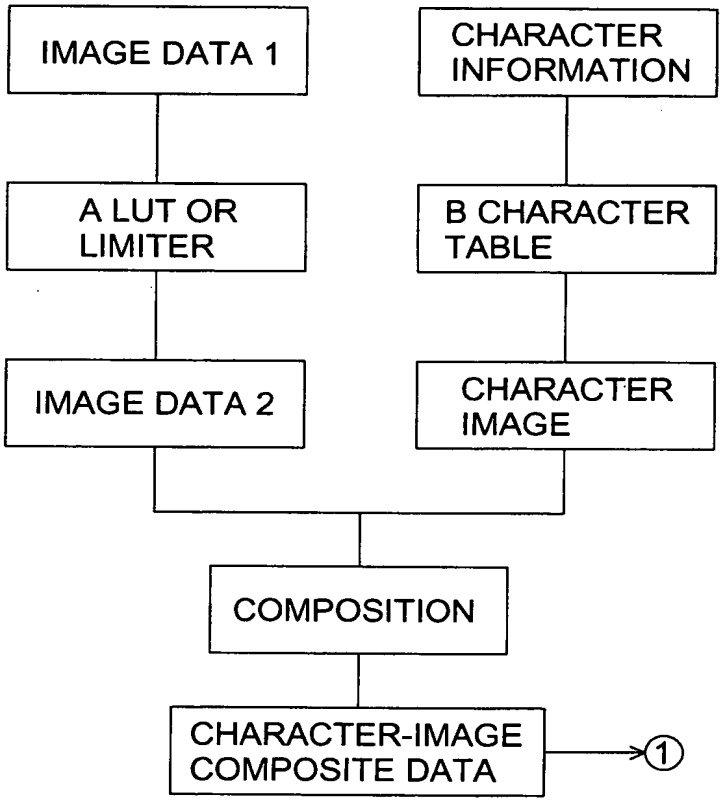
IMAGE DATA 1
CHARACTER INFORMATION
A LUT OR LIMITER
B CHARACTER TABLE
IMAGE DATA 2
CHARACTER IMAGE
COMPOSITION
CHARACTER-IMAGE COMPOSITE DATA
①

FIG. 3

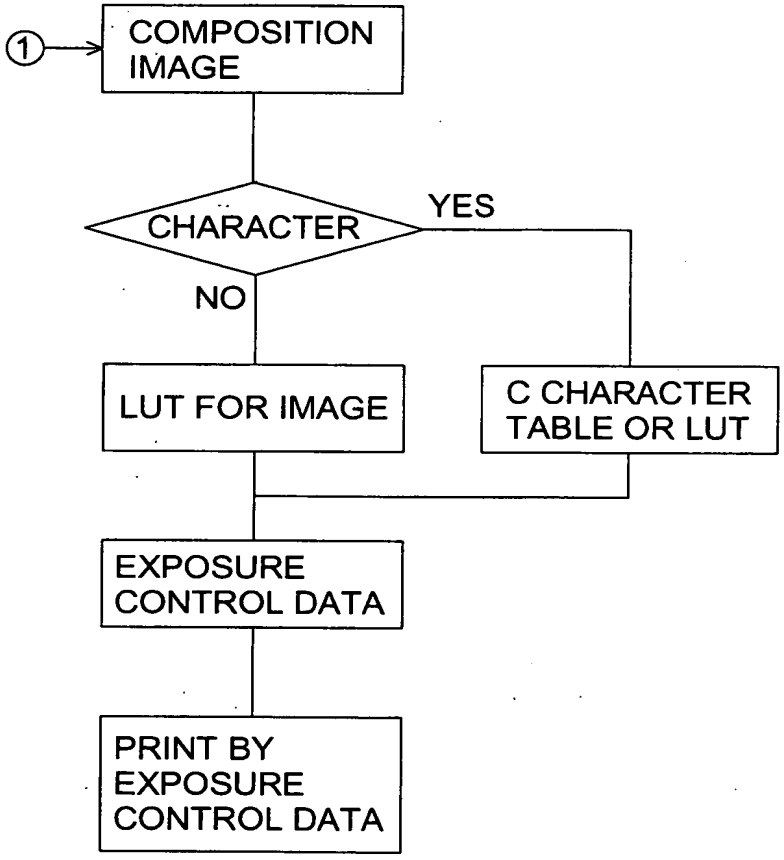

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FIG. 4

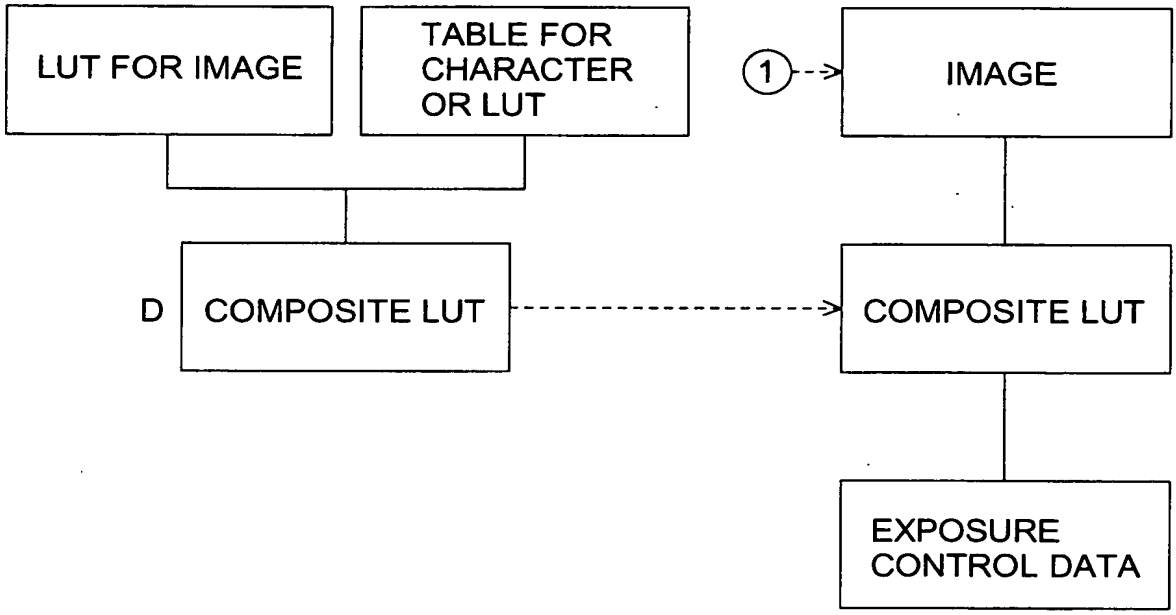

LUT FOR IMAGE
TABLE FOR CHARACTER OR LUT
1
IMAGE
D
COMPOSITE LUT
COMPOSITE LUT
EXPOSURE CONTROL DATA

FIG. 5 (1)

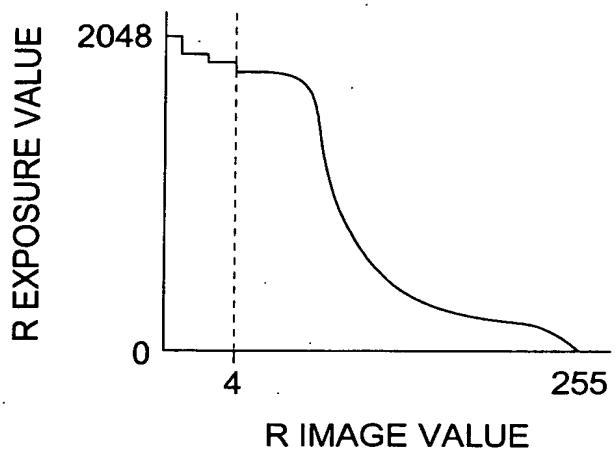


FIG. 5 (2)

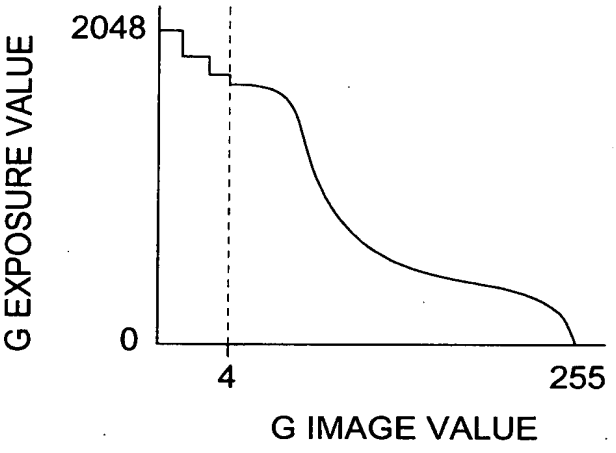


FIG. 5 (3)

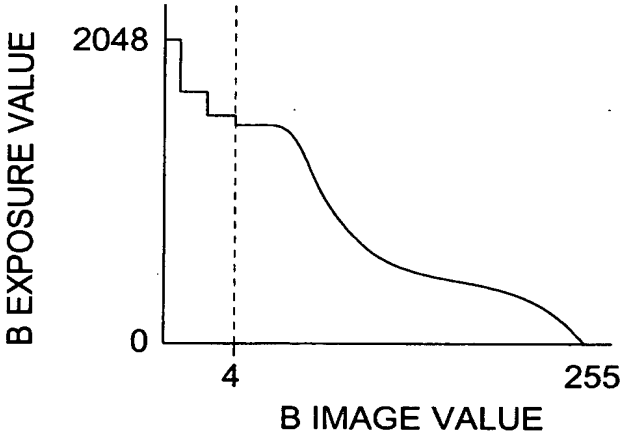
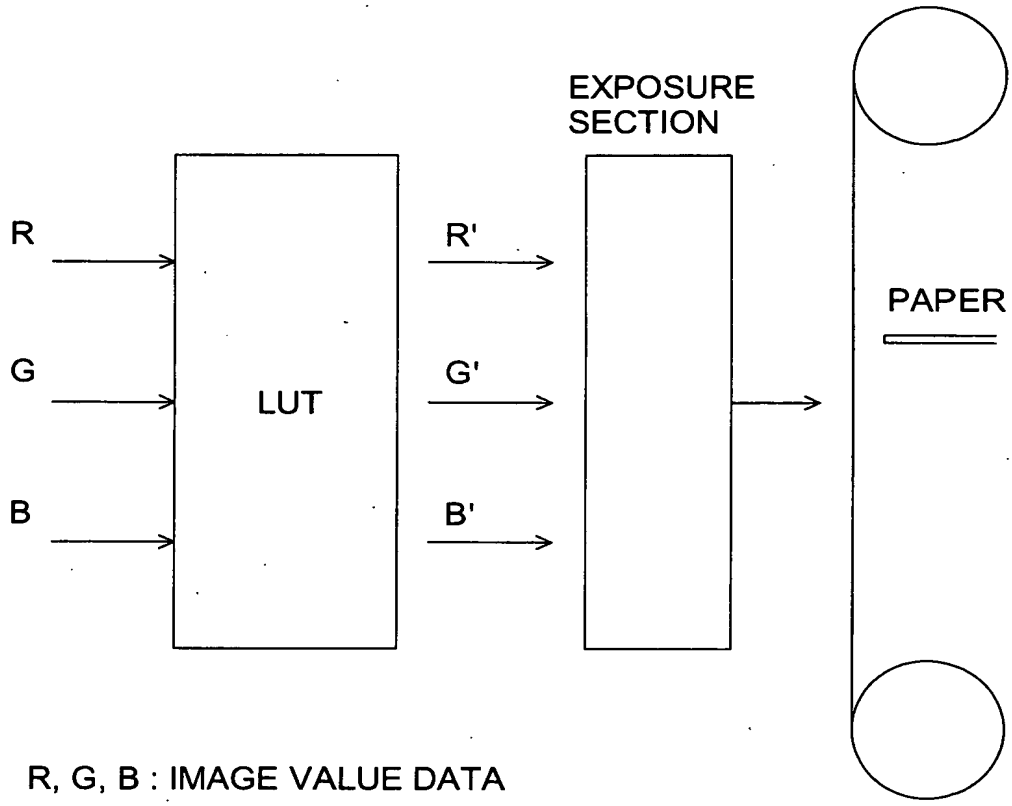


FIG. 6



R, G, B : IMAGE VALUE DATA

R',G',B' : EXPOSURE CONTROL VALUE DATA

FIG. 7

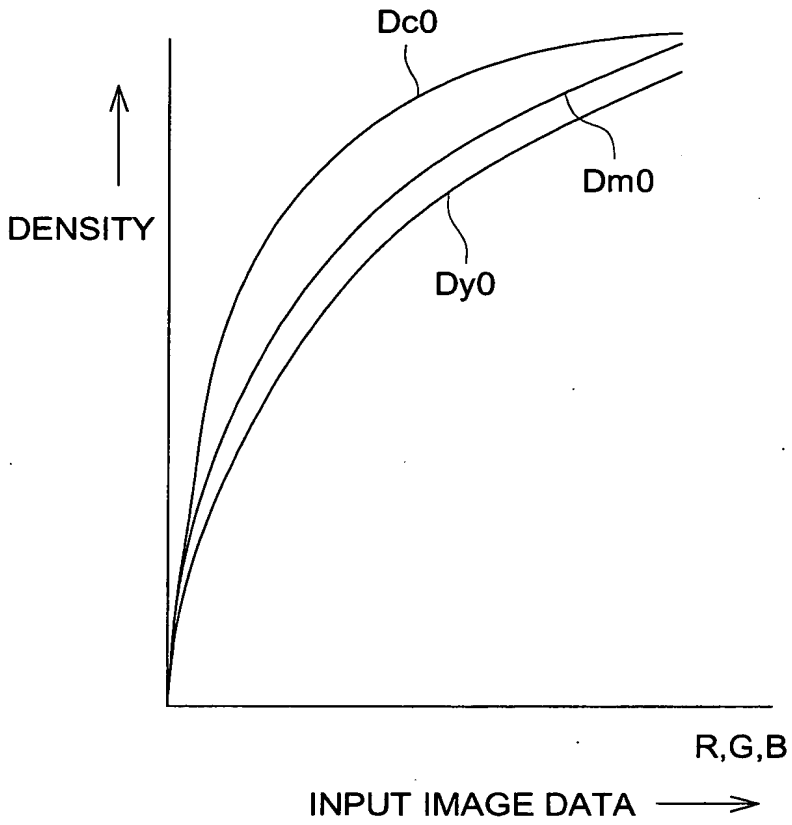


FIG. 8

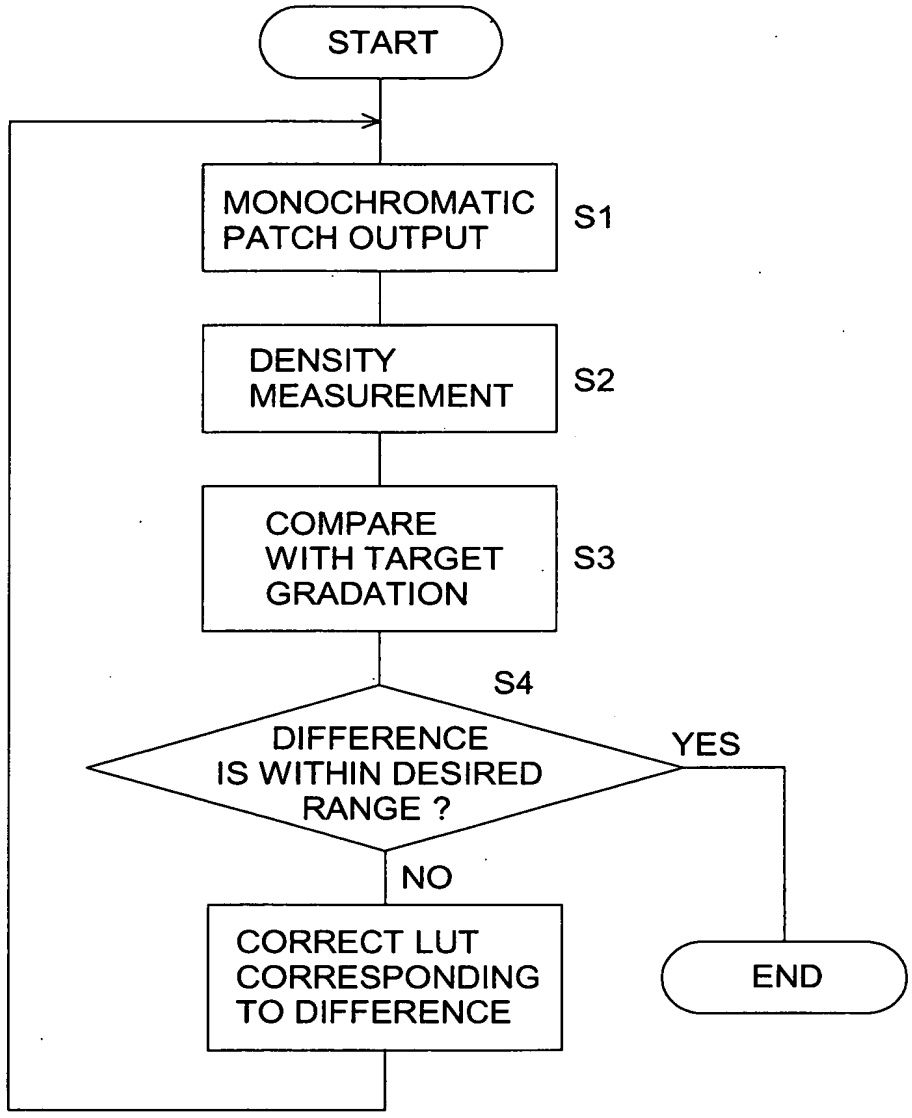
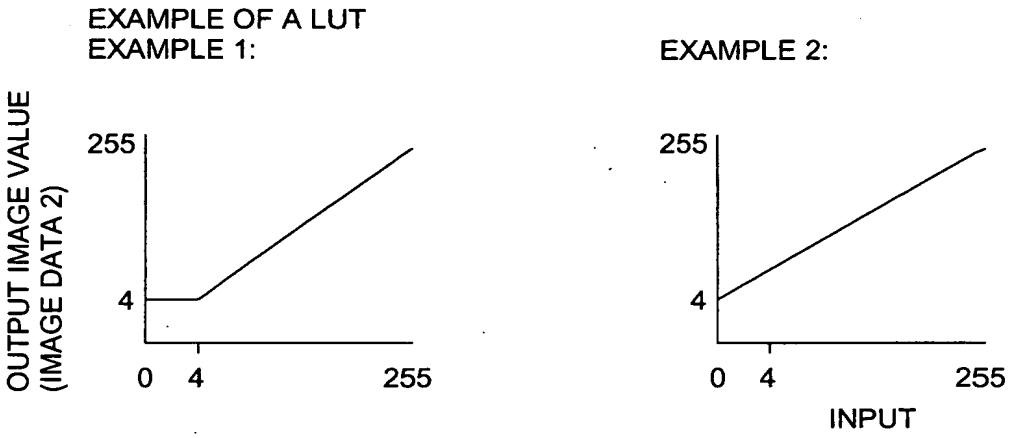

START
MONOCHROMATIC PATCH OUTPUT
S1
DENSITY MEASUREMENT
S2
COMPARE WITH TARGET GRADATION
S3
S4
DIFFERENCE IS WITHIN DESIRED RANGE ?
YES
NO
CORRECT LUT CORRESPONDING TO DIFFERENCE
END

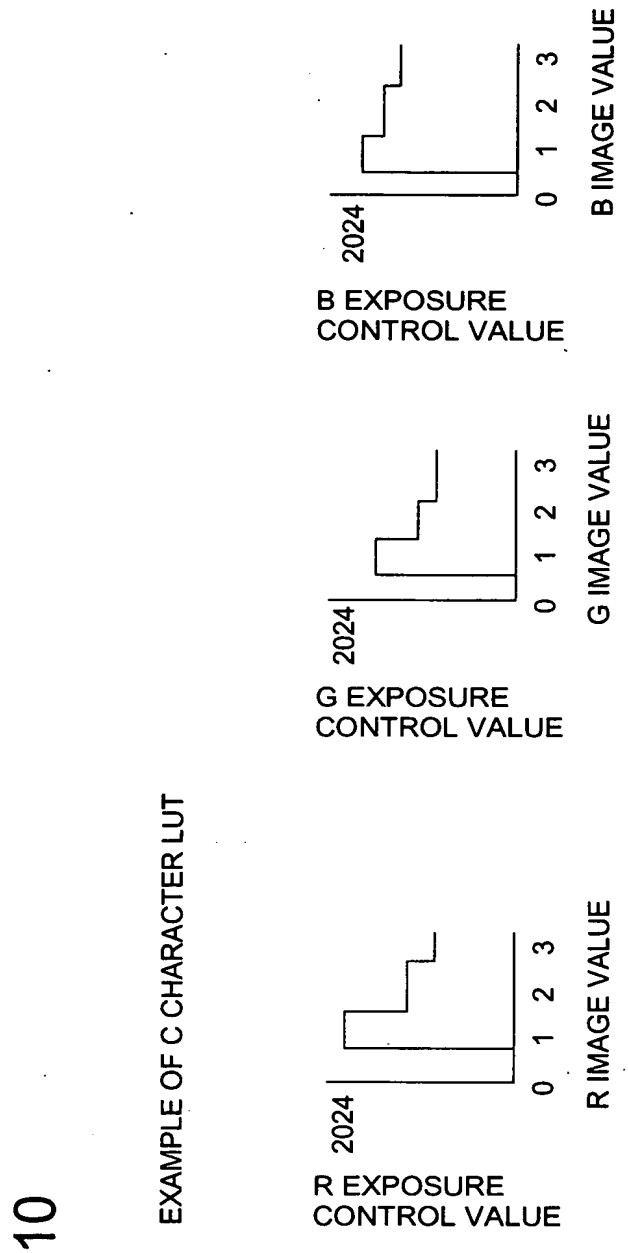
FIG. 9



INPUT IMAGE VALUE (IMAGE DATA 1)

THIS EXAMPLE HAS THE SAME FUNCTION AS LIMITER OF A

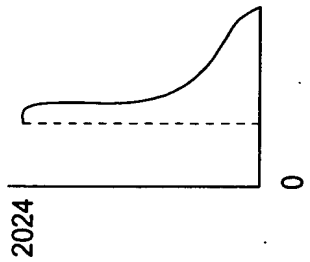
FIG. 10


EXAMPLE OF C CHARACTER LUT
R EXPOSURE CONTROL VALUE
2024
0 1 2 3
R IMAGE VALUE
G EXPOSURE CONTROL VALUE
2024
0 1 2 3
G IMAGE VALUE
B EXPOSURE CONTROL VALUE
2024
0 1 2 3
B IMAGE VALUE

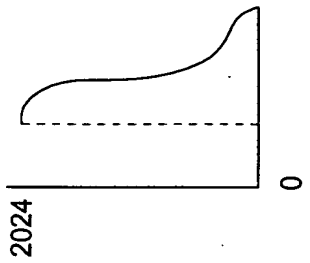
0052060 "EP1562369A2"

FIG. 11

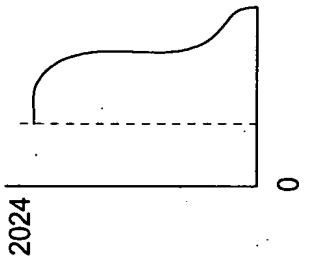
EXAMPLE OF LUT FOR IMAGE



B EXPOSURE CONTROL VALUE



G EXPOSURE CONTROL VALUE



R EXPOSURE CONTROL VALUE